

Title (en)
Self-compensating seal.

Title (de)
Selbstkompensierende Dichtung.

Title (fr)
Joint à auto-compensation.

Publication
EP 0252636 A2 19880113 (EN)

Application
EP 87305493 A 19870622

Priority
US 88340486 A 19860708

Abstract (en)
A self-compensating seal (10) has a substantially toroidally shaped seal body (12) and a plurality of axially separated annular wipers (14,16, 18) extending radially inwardly from the inner rim of the seal body in parallel arrangement. When a shaft or rod (36) (see Fig. 5) having a diameter greater than the inside diameter of the seal opening is inserted through the central seal opening, the wipers (14,16, 18) are bent or collapsed so as to extend in an axial direction. Each of the wipers (14, 16, 18) is radially inwardly biased by an O-ring (32, 34) so that wear at the sealing surfaces of the wipers caused by shaft movement is compensated for.

IPC 1-7
F16J 15/32

IPC 8 full level
F16J 15/32 (2006.01)

CPC (source: EP US)
F16J 15/3208 (2013.01 - EP US); **F16J 15/3232** (2013.01 - EP US); **Y10S 277/91** (2013.01 - EP US); **Y10S 277/944** (2013.01 - EP US)

Cited by
EP0648961A1; US5503408A

Designated contracting state (EPC)
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EP 0252636 A2 19880113; EP 0252636 A3 19880525; EP 0252636 B1 19920304; AT E73210 T1 19920315; DE 3776993 D1 19920409; JP S6326464 A 19880204; US 4744571 A 19880517

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